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(74) Agents: **DADIO, Susan, M.** et al.; Burns, Doane,  
Swecker & Mathis, LLP, P. O. Box 1404, Alexandria,  
Virginia 22313-1404 (US).

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(71) Applicant (for all designated States except US): **LUNA  
INNOVATIONS INCORPORATED** [US/US]; 2851  
Commerce Street, Blacksburg, Virginia 24060 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PHILLIPS, J.,  
Paige** [US/US]; 2539 12 O'Clock Knob Road, Salem, Vir-  
ginia 24153 (US). **TOPASNA, Daniela, M.** [US/US]; 12  
Poyntz Place, Lexington, Virginia 24450 (US). **STEVEN-  
SON, Steven, A.** [US/US]; 508 Alleghany Street, Blacks-  
burg, Virginia 24060 (US). **DESCHATELETS, Pascal**  
[CA/US]; 11031 Indian Legends Drive, #202, Louisville,  
Kentucky 40241 (US). **KOENE, Bryan** [CA/US]; 1835  
Augusta National Road, Blacksburg, Virginia 24060 (US).

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(54) Title: PHOTOVOLTAIC DEVICE WITH TRIMETASPHERES

(57) Abstract: An exemplary photovoltaic device for conversion of an incident wavelength of electromagnetic radiation to elec-  
tricity has an absorber of incident wavelength of electromagnetic radiation, a trimetaspere in electron transferring contact with the  
absorber, an anode in electrical contact with the trimetaspere, and a cathode in electrical contact with the absorber. The absorber  
and trimetaspere can be arranged as a heterojunction or a blended junction. An exemplary electrical circuit has an absorber of  
incident electromagnetic radiation, a trimetaspere-containing material in electron transferring contact with the absorber, an anode,  
a cathode and a current path from the anode to the cathode. An exemplary method of converting incident electromagnetic radiation  
to an electrical signal using a trimetaspere-containing material is also disclosed.



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